

Serial No. 09/773,574

Docket No. K-0259

Amdt. dated March 21, 2005

Reply to Office Action of December 21, 2004

ABSTRACT OF THE DISCLOSURE

A method for allocating common packet channels in a next generation mobile communication system is disclosed. A mobile station maps a signature for indicating a specific common packet channels with scrambling codes and transmits an access preamble including the signature to a system to request allocation of the channel. The system maps a signature of a channel assignment for a desired common packet channel with the scrambling codes to transmit it to the mobile station. The mobile station transmits a message to the system through a corresponding physical channel in accordance with the channel assignment. The mobile station can transmit a collision detection preamble for preventing channel collision to the system by mapping with a specific scrambling code set. At this time, the system can select a scrambling code from a scrambling code set designated by the collision detection preamble and can map the selected scrambling code with the channel assignment.